

In the Claims

Applicant has submitted a new complete claim set indicating marked up claims with insertions and deletions indicated by underlining and strikeouts, respectively.

1. (Original) An isolated cell that recombinantly expresses an N-type calcium channel comprising a $\text{Ca}_v2.2$ subunit that comprises exon e37a ($\text{Ca}_v2.2\text{e}[37\text{a}]$).
2. (Original) The isolated cell of claim 1, wherein the $\text{Ca}_v2.2\text{e}[37\text{a}]$ subunit has a human sequence.
3. (Original) The isolated cell of claim 1, wherein the $\text{Ca}_v2.2\text{e}[37\text{a}]$ subunit has a mouse sequence.
4. (Original) The isolated cell of claim 1, wherein the $\text{Ca}_v2.2\text{e}[37\text{a}]$ subunit has a rat sequence.
- 5-36. (Canceled)
37. (New) The isolated cell of claim 1, wherein the cell is a neuron.
38. (New) The isolated cell of claim 2, wherein the cell is a neuron.
39. (New) The isolated cell of claim 3, wherein the cell is a neuron.
40. (New) The isolated cell of claim 4, wherein the cell is a neuron.
41. (New) The isolated cell of claim 1, wherein the cell is an oocyte.
42. (New) The isolated cell of claim 2, wherein the cell is an oocyte.

43. (New) The isolated cell of claim 3, wherein the cell is an oocyte.
44. (New) The isolated cell of claim 4, wherein the cell is an oocyte.